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ROTATING POSITIONING DEVICE OF POSITIONER

KOIKE SANSO KOGYO CO LTD

Inventor(s): ;WATANABE MIKIO ;KOBAYASHI SHOICHI

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Abstract:

PURPOSE: To prevent torque from being put on a motor shaft, by placing a pair of sprockets operated by a cylinder, between sprockets which have been attached axially to the motor shaft and the main shaft, and controlling the tension of a chain.

CONSTITUTION: To a main shaft 1, a locator 4 having a table 2, a large sprocket 3 and plural notch parts 4' is attached axially. A motor 6 is decelerated 7 and a motor sprocket 9 is driven. The motor sprocket 9 and the large sprocket 3 are coupled through tension sprockets 15, 16 by a chain which is not shown in the figure. Between the tension sprockets 15, 16, a cylinder 17 is provided, and compressed air is supplied and intercepted. The table 2 is rotated up to a prescribed position, the motor 6 is stopped, air feed to the cylinder 17 is stopped, and a locating pin is made to press-contact with the notch parts 4' of the locator 4. In this way, the table 2 is stopped at an exact position without putting torque onto the motor shaft.

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